SCORE Search Results Details for Application 09855320 and Search Result 20080428_144555_us-09-855-320-2.rai.

This page gives you Search Results detail for the Application 09855320 and Search Result 20080428_144555_us-09-855-320-2.rai.

Go Back to previous page

GenCore version 6.2.1

OM protein - protein search, using sw model

Run on: April 28, 2008, 16:14:41 ; Search time 62 Seconds
(without alignments)
1020.025 Million cell updates/sec

Title: US-09-855-320-2
Perfect score: 1869
Sequence: 1 MNNAGHGPTRRLRGLGVLAG.....RYPHLPRSQVYEDLEGWFQA 342

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1143754 seqs, 186252778 residues

Total number of hits satisfying chosen parameters: 1143754

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /ABSS/Data/CRF/ptodata/1/iaa/5_COMB.pep:*
2: /ABSS/Data/CRF/ptodata/1/iaa/6_COMB.pep:*
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5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS_COMB.pep:*
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7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	% Query

No.	Score	Match	Length	DB	ID	Description
1	1869	100.0	342	3	US-08-361-306A-2	Sequence 2, Appli
2	1507	80.6	342	1	US-08-483-151-2	Sequence 2, Appli
3	1507	80.6	393	2	US-09-784-077-2	Sequence 2, Appli
4	820.5	43.9	341	3	US-10-764-212-69	Sequence 69, Appl
5	814	43.6	336	3	US-10-764-212-67	Sequence 67, Appl
6	776	41.5	393	2	US-09-390-131-8	Sequence 8, Appli
7	770.5	41.2	356	2	US-09-092-315-12	Sequence 12, Appl
8	770.5	41.2	356	3	US-10-392-098A-12	Sequence 12, Appl
9	770.5	41.2	356	3	US-10-120-319A-12	Sequence 12, Appl
10	750	40.1	355	2	US-09-733-524A-12	Sequence 12, Appl
11	750	40.1	355	2	US-10-189-977A-12	Sequence 12, Appl
12	743	39.8	433	2	US-09-092-315-11	Sequence 11, Appl
13	743	39.8	433	2	US-09-733-524A-11	Sequence 11, Appl
14	743	39.8	433	2	US-10-189-977A-11	Sequence 11, Appl
15	743	39.8	433	3	US-10-392-098A-11	Sequence 11, Appl
16	743	39.8	433	3	US-10-120-319A-11	Sequence 11, Appl
17	736	39.4	291	3	US-10-764-212-65	Sequence 65, Appl
18	731	39.1	405	1	US-07-914-281-8	Sequence 8, Appli
19	731	39.1	405	1	US-08-393-246-8	Sequence 8, Appli
20	731	39.1	405	1	US-08-525-058A-8	Sequence 8, Appli
21	731	39.1	405	1	US-08-696-731-8	Sequence 8, Appli
22	731	39.1	405	2	US-09-042-531-8	Sequence 8, Appli
23	724.5	38.8	502	2	US-10-080-960-16	Sequence 16, Appl
24	724.5	38.8	502	3	US-10-184-648-23	Sequence 23, Appl
25	712	38.1	405	1	US-08-483-151-4	Sequence 4, Appli
26	709.5	38.0	374	1	US-07-914-281-11	Sequence 11, Appl
27	709.5	38.0	374	1	US-08-393-246-11	Sequence 11, Appl
28	709.5	38.0	374	1	US-08-525-058A-11	Sequence 11, Appl
29	709.5	38.0	374	1	US-08-696-731-11	Sequence 11, Appl
30	709.5	38.0	374	2	US-09-042-531-11	Sequence 11, Appl
31	701	37.5	365	2	US-09-092-315-9	Sequence 9, Appli
32	701	37.5	365	2	US-09-390-131-7	Sequence 7, Appli
33	701	37.5	365	3	US-10-392-098A-9	Sequence 9, Appli
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35	694.5	37.2	292	3	US-10-184-648-22	Sequence 22, Appl
36	694	37.1	359	1	US-07-914-281-14	Sequence 14, Appl
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39	694	37.1	359	1	US-08-696-731-14	Sequence 14, Appl
40	694	37.1	359	2	US-09-042-531-14	Sequence 14, Appl
41	694	37.1	359	2	US-09-092-315-10	Sequence 10, Appl
42	694	37.1	359	2	US-09-733-524A-10	Sequence 10, Appl
43	694	37.1	359	2	US-10-189-977A-10	Sequence 10, Appl
44	694	37.1	359	3	US-10-392-098A-10	Sequence 10, Appl
45	694	37.1	359	3	US-10-120-319A-10	Sequence 10, Appl

ALIGNMENTS

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RESULT 1
US-08-361-306A-2
; Sequence 2, Application US/08361306A
; Patent No. 7094530
;  GENERAL INFORMATION:
;    APPLICANT:  SASAKI, KATSUTOSHI
;    APPLICANT:  MIURA, KAZUMI
;    APPLICANT:  HANAI, NOBUO
;    APPLICANT:  NISHI, TATSUNARI
```

```
;    TITLE OF INVENTION:  `-1,3-FUCOSYLTRANSFERASE
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/361,306A
;      FILING DATE:  28-NOV-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP94/00496
;      FILING DATE:  28-MAR-1994
;      APPLICATION NUMBER:  JP HEI-5-69016
;      FILING DATE:  29-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  249-65
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  342
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-361-306A-2

  Query Match             100.0%;  Score 1869;  DB 3;  Length 342;
  Best Local Similarity   100.0%;  Pred. No. 1e-190;
  Matches  342;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLLWLLGSAPRGTPAPQPTITILVWHWPFTDQP 60
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Db          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLLWLLGSAPRGTPAPQPTITILVWHWPFTDQP 60

Qy         61 PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLPLAQRPRGQPWVWAS 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLPLAQRPRGQPWVWAS 120

Qy        121 MESPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRLEPHWGPSPPLPAKSRVAAWVVSNF 180
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Db        121 MESPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRLEPHWGPSPPLPAKSRVAAWVVSNF 180

Qy        181 QERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITEK 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 QERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITEK 240

Qy        241 FWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGMNESRYQRFFA 300
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RESULT 2
US-08-483-151-2
; Sequence 2, Application US/08483151
; Patent No. 5858752
;  GENERAL INFORMATION:
;    APPLICANT:  Seed, Brian
;    APPLICANT:  Holgersson, Jan
;    TITLE OF INVENTION:  FUCOSYLTRANSFERASE GENES AND USES THEREOF
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,151
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lech, Karen F.
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/278001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617/542-5070
;      TELEFAX:  617/542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  342 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-483-151-2

  Query Match             80.6%;  Score 1507;  DB 1;  Length 342;
  Best Local Similarity   80.1%;  Pred. No. 4.7e-152;
  Matches  274;  Conservative   22;  Mismatches   46;  Indels    0;  Gaps    0;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLLWLLGSAPRGTPAPQPTITILVWHWPFTDQP 60
              ||  |: ||||||  | ||| |    :|  || ||||   | || |:|||:|||||::|
Db          1 MNCIGYHPTRRLRAWGGLAGGATFMVIWFFWLWGSAPGSAPVPQSTLTILIWHWPFTNRP 60

Qy         61 PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLPLAQRPRGQPWVWAS 120
              |||| |||||||:| | |||||||||||||||||||||:| ||| ||| ||||||||
Db         61 PELPGDTCTRYGMASCRLSANRSLLASADAVVFHHRELQTRQSLLPLDQRPHGQPWVWAS 120

Qy        121 MESPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRLEPHWGPSPPLPAKSRVAAWVVSNF 180
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Db        121 MESPSNTHGLHRFRGIFNWVLSYRRDSDIFVPYGRLEPLSGPTSPLPAKSRMAAWVISNF 180

Qy        181 QERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITEK 240
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Db        181 QERQQRAKLYRQLAPHLQVDVFGRASGRPLCANCLLPTLARYRFYLAFENSQHRDYITEK 240

Qy        241 FWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGMNESRYQRFFA 300
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Db        241 FWRNALAAGAVPVALGPPRATYEAFVPPDAFVHVDDFSSARELAVFLVSMNESRYRGFFA 300

Qy        301 WRDRLRVRLFTDWRERFCAICDRYPHLPRSQVYEDLEGWFQA 342
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Db        301 WRDRLRVRLLGDWRERFCTICARYPYLPRSQVYEDLESWFQA 342


RESULT 3
US-09-784-077-2
; Sequence 2, Application US/09784077
; Patent No. 6693183
;   GENERAL INFORMATION:
;        APPLICANT: NATSUKA, SHUNJI
;                   GERSTEN, KEVIN M.
;                   LOWE, JOHN B.
;        TITLE OF INVENTION: MURINE ALPHA (1,3) FUCOSYLTRANSFERASE
;                            FUC-TVII, DNA ENCODING THE SAME, METHOD FOR PREPARING THE
;                            SAME, ANTIBODIES RECOGNIZING THE SAME, IMMUNOASSAYS FOR
;                            DETECTING THE SAME, PLASMIDS CONTAINING SUCH DNA
;        NUMBER OF SEQUENCES: 4
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;             CITY: ARLINGTON
;             STATE: VA
;             COUNTRY: USA
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/784,077
;             FILING DATE: 16-Feb-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/613,098
;             FILING DATE: 08-MAR-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: LAVALLEYE, JEAN-PAUL
;             REGISTRATION NUMBER: 31,451
;             REFERENCE/DOCKET NUMBER: 2363-114-55
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 703-413-3000
;             TELEFAX: 703-413-2220
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 393 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
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;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-784-077-2

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  Best Local Similarity   80.1%;  Pred. No. 5.7e-152;
  Matches  274;  Conservative   22;  Mismatches   46;  Indels    0;  Gaps    0;

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Qy         61 PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLPLAQRPRGQPWVWAS 120
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Db        112 PELPGDTCTRYGMASCRLSANRSLLASADAVVFHHRELQTRQSLLPLDQRPHGQPWVWAS 171

Qy        121 MESPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRLEPHWGPSPPLPAKSRVAAWVVSNF 180
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Db        172 MESPSNTHGLHRFRGIFNWVLSYRRDSDIFVPYGRLEPLSGPTSPLPAKSRMAAWVISNF 231

Qy        181 QERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITEK 240
              |||| ||:|||||||||:|||||||:||||||:||:||:|:|||||:|||||||||||||
Db        232 QERQQRAKLYRQLAPHLQVDVFGRASGRPLCANCLLPTLARYRFYLAFENSQHRDYITEK 291

Qy        241 FWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGMNESRYQRFFA 300
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Db        292 FWRNALAAGAVPVALGPPRATYEAFVPPDAFVHVDDFSSARELAVFLVSMNESRYRGFFA 351

Qy        301 WRDRLRVRLFTDWRERFCAICDRYPHLPRSQVYEDLEGWFQA 342
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Db        352 WRDRLRVRLLGDWRERFCTICARYPYLPRSQVYEDLESWFQA 393


RESULT 4
US-10-764-212-69
; Sequence 69, Application US/10764212
; Patent No. 7326770
; GENERAL INFORMATION:
;  APPLICANT: Simala-Grant, Joanne
;  APPLICANT:  Taylor, Diane
;  APPLICANT:  Johnson, Karl F.
;  APPLICANT:  Bezila, Daniel James
;  APPLICANT:  Neose Technologies, Inc.
;  APPLICANT:  Governors of the University of Alberta
;  TITLE OF INVENTION: H. Pylori Fucosyltransferases
;  FILE REFERENCE: 019957-019400US
;  CURRENT APPLICATION NUMBER: US/10/764,212
;  CURRENT FILING DATE:  2004-01-22
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 69
;   LENGTH: 341
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial
;   OTHER INFORMATION: Sequence:glycosyltransferase family 10
;   OTHER INFORMATION: fucosyltransferase consensus sequence pfam00852
;   OTHER INFORMATION: positions 11-351
US-10-764-212-69
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  Query Match             43.9%;  Score 820.5;  DB 3;  Length 341;
  Best Local Similarity   52.0%;  Pred. No. 1e-78;
  Matches  178;  Conservative   39;  Mismatches  102;  Indels   23;  Gaps   10;

Qy         21 VALLAALWLLWLL------GSAP---RGTPAPQPTITILVWHWPFTDQPPELPSDTCTRY 71
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Db          2 VPLLLAIYTWWSLIEYKEWKKSPIYFIGSQAPQPPLRILLWTWPFNGNPLALSDCPLSYQ 61

Qy         72 GIARCHLSANRSLLASADAVVFHHRELQTRRSHLPLAQRPRGQPWVWASMESPSHTHGLS 131
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Db         62 NTARCRLTANRSPLESADAVLFHHRDLSKGFPDLPPSPRPPGQPWVWASMESPSNS-GLN 120

Qy        132 HLR-GIFNWVLSYRRDSDIFVPYGRLEPHWGP---SPPLPAKSRVAAWVVSNFQERQLRA 187
               || | ||| |||| ||| | ||| |||       :| | || : |||||||   |  |
Db        121 DLRDGYFNWTLSYRADSDAFHPYGYLEPRLSQVVNAPLLSAKRKGAAWVVSNCNTRSKRE 180

Qy        188 RLYRQLAPHLRVDVFGR-ANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITEKFWRNAL 246
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Db        181 RFYKQLNKHLQVDVGGRVANPLPLKVGCLVETLSQYKFYLAFENSQHYDYVTEKLWKNAL 240

Qy        247 VAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQRFFAWRDR 304
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Db        241 QAGTIPVVLG-PRAVYEDFVPPKSFIHVDDFKSPKELADYLLYLDTNPTAYSEYFEWRYD 299

Qy        305 LRVRLFT----DWRERFCAICDRYPHLP-RSQVYEDLEGWFQ 341
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Db        300 LRVRLFSWDALRYDEGFCRVCRLLQNAPDRYKTYPNIAKWFQ 341


RESULT 5
US-10-764-212-67
; Sequence 67, Application US/10764212
; Patent No. 7326770
; GENERAL INFORMATION:
;  APPLICANT: Simala-Grant, Joanne
;  APPLICANT:  Taylor, Diane
;  APPLICANT:  Johnson, Karl F.
;  APPLICANT:  Bezila, Daniel James
;  APPLICANT:  Neose Technologies, Inc.
;  APPLICANT:  Governors of the University of Alberta
;  TITLE OF INVENTION: H. Pylori Fucosyltransferases
;  FILE REFERENCE: 019957-019400US
;  CURRENT APPLICATION NUMBER: US/10/764,212
;  CURRENT FILING DATE:  2004-01-22
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
;   LENGTH: 336
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial
;   OTHER INFORMATION: Sequence:glycosyltransferase family 10
;   OTHER INFORMATION: fucosyltransferase consensus sequence pfam00852
;   OTHER INFORMATION: positions 16-351
US-10-764-212-67

  Query Match             43.6%;  Score 814;  DB 3;  Length 336;
  Best Local Similarity   54.3%;  Pred. No. 4.9e-78;
  Matches  171;  Conservative   36;  Mismatches   94;  Indels   14;  Gaps    8;
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Qy          99 QTRRSHLPLAQRPRGQPWVWASMESPSHTHGLSHLR-GIFNWVLSYRRDSDIFVPYGRLE 157
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Qy         158 PHWGP---SPPLPAKSRVAAWVVSNFQERQLRARLYRQLAPHLRVDVFGR-ANGRPLCAS 213
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Db         143 PRLSQVVNAPLLSAKRKGAAWVVSNCNTRSKRERFYKQLNKHLQVDVGGRVANPLPLKVG 202

Qy         214 CLVPTVAQYRFYLSFENSQHRDYITEKFWRNALVAGTVPVVLGPPRATYEAFVPADAFVH 273
               ||| |::||:|||:|||||| ||:||| |:||| |||:||||| ||| || |||  :|:|
Db         203 CLVETLSQYKFYLAFENSQHYDYVTEKLWKNALQAGTIPVVLG-PRAVYEDFVPPKSFIH 261

Qy         274 VDDFGSARELAAFLTGM--NESRYQRFFAWRDRLRVRLFT----DWRERFCAICDRYPHL 327
               |||| | :||| :|  :  | : |  :| ||  ||||||:     : | || :|    :
Db         262 VDDFKSPKELADYLLYLDTNPTAYSEYFEWRYDLRVRLFSWDALRYDEGFCRVCRLLQNA 321

Qy         328 P-RSQVYEDLEGWFQ 341
               | | : | ::  |||
Db         322 PDRYKTYPNIAKWFQ 336


RESULT 6
US-09-390-131-8
; Sequence 8, Application US/09390131
; Patent No. 6461835
; GENERAL INFORMATION:
;  APPLICANT:  Abbott Laboratories
;  APPLICANT:  Cummings, Richard D.
;  APPLICANT:  Nyame, A. Kwame
;  APPLICANT:  DeBose-Boyd, Russell A.
;  TITLE OF INVENTION:  FUCOSYLTRANSFERASES, POLYNUCLEOTIDES
;  TITLE OF INVENTION:  ENCODING FUCOSYLTRANSFERASES, AND TRANSGENIC MAMMAL
;  TITLE OF INVENTION:  INCORPORATING SAME
;  FILE REFERENCE:  6679.US.O1
;  CURRENT APPLICATION NUMBER: US/09/390,131
;  CURRENT FILING DATE:  1999-09-03
;  NUMBER OF SEQ ID NOS:  22
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 393
;   TYPE: PRT
;   ORGANISM: Caenorhabditis elegans
US-09-390-131-8

  Query Match             41.5%;  Score 776;  DB 2;  Length 393;
  Best Local Similarity   48.7%;  Pred. No. 7.1e-74;
  Matches  169;  Conservative   45;  Mismatches  107;  Indels   26;  Gaps   12;

Qy          10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
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Db          21 RRWALLGALLGAAL--ALYVCVRELRRRGSAGR----PEGEVTVLLWWEPF--GRPWRPA 72

Qy          66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA--QRPRGQPWVWASME 122
               |   || |  | |||:|     | ||:||||:|    |  ||     ||  | ||| : |
Db          73 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPPRPPRQRWVWMNFE 132
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Qy        179 NFQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYIT 238
              |: |   | | ||||  || :||:| | |  |    :| ||: |:|||:|||||| ||||
Db        190 NWNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFENSQHTDYIT 248

Qy        239 EKFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQ 296
              || |:||  |  ||||||| || || |:|||:|:||||| | | || :|  :  |:  |:
Db        249 EKLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYR 308

Qy        297 RFFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
              |:||||::  | : : | | :| :|:         :  ::| |||::
Db        309 RYFAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 355
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RESULT 7
US-09-092-315-12
; Sequence 12, Application US/09092315
; Patent No. 6399337
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT: Ge, Zhongming
;  TITLE OF INVENTION: ALPHA-1, 3-FUCOSYLTRANFERASE
;  FILE REFERENCE: 07254/049001
;  CURRENT APPLICATION NUMBER: US/09/092,315
;  CURRENT FILING DATE: 1998-06-05
;  EARLIER APPLICATION NUMBER: US 60/048,857
;  EARLIER FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 12
;   LENGTH: 356
;   TYPE: PRT
;   ORGANISM: Gallus gallus
US-09-092-315-12
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  Best Local Similarity   48.4%;  Pred. No. 2.4e-73;
  Matches  168;  Conservative   45;  Mismatches  109;  Indels   25;  Gaps   12;

Qy         10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
              ||   || | | ||  ||::    |   |||      |:  :|:|:|  ||    |  |:
Db         21 RRWALLGALLGAAL--ALYVCVRELRRRGSA---AGRPEGEVTVLLWWEPF--GRPWRPA 73

Qy         66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA--QRPRGQPWVWASME 122
              |   || |  | |||:|     | ||:||||:|    |  ||     ||  | ||| : |
Db         74 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPPRPPRQRWVWMNFE 133

Qy        123 SPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRL-EPHWGPSP---PLPAKSRVAAWVVS 178
              ||||: ||  | |:||| :|||||||:||||| | ||   |||    || |||: |||:|
Db        134 SPSHSPGLRGLAGLFNWTMSYRRDSDVFVPYGYLYEP---PSPRPFVLPRKSRLVAWVIS 190

Qy        179 NFQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYIT 238
              |: |   | | ||||  || :||:| | |  |    :| ||: |:|||:|||||| ||||
Db        191 NWNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFENSQHTDYIT 249

Qy        239 EKFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQ 296
              || |:||  |  ||||||| || || |:|||:|:||||| | | || :|  :  |:  |:
Db        250 EKLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYR 309
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Qy        297 RFFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
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Db        310 RYFAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 356


RESULT 8
US-10-392-098A-12
; Sequence 12, Application US/10392098A
; Patent No. 7029891
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  APPLICANT:  University of Alberta
;  TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
;  FILE REFERENCE: 017398-000420US
;  CURRENT APPLICATION NUMBER: US/10/392,098A
;  CURRENT FILING DATE:  2003-03-17
;  PRIOR APPLICATION NUMBER: US/10/120,319
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 09/733,524
;  PRIOR FILING DATE: 2000-12-07
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 356
;   TYPE: PRT
;   ORGANISM: Gallus gallus
;   FEATURE:
;   OTHER INFORMATION: chicken alpha-1,3-fucosyltransferase fucT 1
;   OTHER INFORMATION: (CFucT1)
US-10-392-098A-12

  Query Match             41.2%;  Score 770.5;  DB 3;  Length 356;
  Best Local Similarity   48.4%;  Pred. No. 2.4e-73;
  Matches  168;  Conservative   45;  Mismatches  109;  Indels   25;  Gaps   12;

Qy         10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
              ||   || | | ||  ||::    |   |||      |:  :|:|:|  ||    |  |:
Db         21 RRWALLGALLGAAL--ALYVCVRELRRRGSA---AGRPEGEVTVLLWWEPF--GRPWRPA 73

Qy         66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA--QRPRGQPWVWASME 122
              |   || |  | |||:|     | ||:||||:|    |  ||     ||  | ||| : |
Db         74 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPPRPPRQRWVWMNFE 133

Qy        123 SPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRL-EPHWGPSP---PLPAKSRVAAWVVS 178
              ||||: ||  | |:||| :|||||||:|||| | ||   |||    || |||: |||:|
Db        134 SPSHSPGLRGLAGLFNWTMSYRRDSDVFVPYGYLYEP---PSPRPFVLPRKSRLVAWVIS 190

Qy        179 NFQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYIT 238
              |: |   | | ||||  || :||:| | |  |    :| ||: |:|||:|||||| ||||
Db        191 NWNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFENSQHTDYIT 249

Qy        239 EKFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQ 296
              || |:||  |  ||||||| || || |:|||:|:|||| | | || :|  :  |:  |:
Db        250 EKLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYR 309
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Qy        297 RFFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
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Db        310 RYFAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 356


RESULT 9
US-10-120-319A-12
; Sequence 12, Application US/10120319A
; Patent No. 7166449
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  APPLICANT:  University of Alberta
;  TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
;  FILE REFERENCE: 017398-000420US
;  CURRENT APPLICATION NUMBER: US/10/120,319A
;  CURRENT FILING DATE:  2002-04-09
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 09/733,524
;  PRIOR FILING DATE: 2000-12-07
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 356
;   TYPE: PRT
;   ORGANISM: Gallus gallus
;   FEATURE:
;   OTHER INFORMATION: chicken alpha-1,3-fucosyltransferase fucT 1
;   OTHER INFORMATION: (CFucT1)
US-10-120-319A-12

  Query Match             41.2%;  Score 770.5;  DB 3;  Length 356;
  Best Local Similarity   48.4%;  Pred. No. 2.4e-73;
  Matches  168;  Conservative   45;  Mismatches  109;  Indels   25;  Gaps   12;

Qy         10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
              ||   || | | ||  ||::    |   |||      |:  :|:|:|  ||    |  |:
Db         21 RRWALLGALLGAAL--ALYVCVRELRRRGSA---AGRPEGEVTVLLWWEPF--GRPWRPA 73

Qy         66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA--QRPRGQPWVWASME 122
              |   || |  | |||:|     | ||:||||:|    |  ||     ||  | ||| : |
Db         74 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPPRPPRQRWVWMNFE 133

Qy        123 SPSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRL-EPHWGPSP---PLPAKSRVAAWVVS 178
              ||||: ||  | |:||| :|||||||:||||| | ||   |||    || |||: |||:|
Db        134 SPSHSPGLRGLAGLFNWTMSYRRDSDVFVPYGYLYEP---PSPRPFVLPRKSRLVAWVIS 190

Qy        179 NFQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYIT 238
              |: |   | | ||||  || :||:| | |  |    :| ||: |:|||:|||||| ||||
Db        191 NWNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFENSQHTDYIT 249

Qy        239 EKFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQ 296
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Db        250 EKLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYR 309

Qy        297 RFFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
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Db        310 RYFAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 356
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RESULT 10
US-09-733-524A-12
; Sequence 12, Application US/09733524A
; Patent No. 6534298
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
;  TITLE OF INVENTION:  FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
;  TITLE OF INVENTION:  EXPRESSING THEM (amended)
;  FILE REFERENCE: 07254-049002
;  CURRENT APPLICATION NUMBER: US/09/733,524A
;  CURRENT FILING DATE:  2000-12-07
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 355
;   TYPE: PRT
;   ORGANISM: Gallus gallus
US-09-733-524A-12

  Query Match             40.1%;  Score 750;  DB 2;  Length 355;
  Best Local Similarity   47.7%;  Pred. No. 3.6e-71;
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Qy         10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
              ||   || | | ||  ||::    |   |||      |:  :|:|:|  ||    |  |:
Db         21 RRWALLGALLGAAL--ALYVCVRELRRRGSA---AGRPEGEVTVLLWWEPF--GRPWRPA 73

Qy         66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA-QRPRGQPWVWASMES 123
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Db         74 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPRPPRQRWVWMNFES 133

Qy        124 PSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRL-EPHWGPSP---PLPAKSRVAAWVVSN 179
              |||: ||  | |:||| :|||||||:||||| | ||   |||    || |||: |||:||
Db        134 PSHSPGLRGLAGLFNWTMSYRRDSDVFVPYGYLYEP---PSPRPFVLPRKSRLVAWVISN 190

Qy        180 FQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITE 239
              : |   | | ||||  || :||:| | |  |    :| ||: |:|||:| |||| ||||:
Db        191 WNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFYNSQHTDYITK 249

Qy        240 KFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQR 297
              | |:||  |  ||||||| || || |:|||:|:||||| | | || :|  :  |:  |:|
Db        250 KLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYRR 309

Qy        298 FFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
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Db        310 YPAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 355


RESULT 11
US-10-189-977A-12
; Sequence 12, Application US/10189977A
; Patent No. 6962806
; GENERAL INFORMATION:
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;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
;  TITLE OF INVENTION:  FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
;  TITLE OF INVENTION:  EXPRESSING THEM (amended)
;  FILE REFERENCE: 07254-049002
;  CURRENT APPLICATION NUMBER: US/10/189,977A
;  CURRENT FILING DATE:  2002-03-07
;  PRIOR APPLICATION NUMBER: US/09/733,524
;  PRIOR FILING DATE: 2000-12-07
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 355
;   TYPE: PRT
;   ORGANISM: Gallus gallus
US-10-189-977A-12

  Query Match             40.1%;  Score 750;  DB 2;  Length 355;
  Best Local Similarity   47.7%;  Pred. No. 3.6e-71;
  Matches  165;  Conservative   46;  Mismatches  111;  Indels   24;  Gaps   12;

Qy         10 RRLRGLGVLAGVALLAALWL----LWLLGSAPRGTPAPQPTITILVWHWPFTDQPPELPS 65
              ||   || | | ||  ||::    |   |||      |:  :|:|:|  ||    |  |:
Db         21 RRWALLGALLGAAL--ALYVCVRELRRRGSA---AGRPEGEVTVLLWWEPF--GRPWRPA 73

Qy         66 DTCTRYGIARCHLSANRSLLASADAVVFHHRELQTR-RSHLPLA-QRPRGQPWVWASMES 123
              |   || |  | |||:|     | ||:||||:|    |  ||    ||  | ||| : ||
Db         74 DCRRRYNITGCLLSADRGRYGEARAVLFHHRDLALHGRQGLPRGPPRPPRQRWVWMNFES 133

Qy        124 PSHTHGLSHLRGIFNWVLSYRRDSDIFVPYGRL-EPHWGPSP---PLPAKSRVAAWVVSN 179
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Db        134 PSHSPGLRGLAGLFNWTMSYRRDSDVFVPYGYLYEP---PSPRPFVLPRKSRLVAWVISN 190

Qy        180 FQERQLRARLYRQLAPHLRVDVFGRANGRPLCASCLVPTVAQYRFYLSFENSQHRDYITE 239
              : |   | | ||||  || :||:| | |  |    :| ||: |:|||:| |||| ||||:
Db        191 WNEEHARVRYYRQLKEHLPIDVYG-ARGMALLEGSVVKTVSAYKFYLAFYNSQHTDYITK 249

Qy        240 KFWRNALVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQR 297
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Db        250 KLWKNAFAASAVPVVLGPRRANYERFIPADSFIHVDDFPSPRLLATYLKFLDKNKPSYRR 309

Qy        298 FFAWRDRLRVRLFTDWRERFCAICDRYPHLPRS-QVYEDLEGWFQA 342
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Db        310 YPAWRNKYEVHVTSFWDEHYCKVCEAVRTAGNQLKTVQNLAGWFES 355


RESULT 12
US-09-092-315-11
; Sequence 11, Application US/09092315
; Patent No. 6399337
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT: Ge, Zhongming
;  TITLE OF INVENTION: ALPHA-1, 3-FUCOSYLTRANFERASE
;  FILE REFERENCE: 07254/049001
;  CURRENT APPLICATION NUMBER: US/09/092,315
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;  CURRENT FILING DATE: 1998-06-05
;  EARLIER APPLICATION NUMBER: US 60/048,857
;  EARLIER FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 11
;   LENGTH: 433
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-092-315-11

  Query Match             39.8%;  Score 743;  DB 2;  Length 433;
  Best Local Similarity   42.1%;  Pred. No. 2.7e-70;
  Matches  169;  Conservative   46;  Mismatches  124;  Indels   62;  Gaps   11;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLL---------W-LLGSAPRGTPAPQPTITIL 50
              |   |:    |  | |:   |: |||: ||         |  |   |  :||||  : :|
Db         34 METPGYRRRTRCGGWGLPRSVSSLAAVGLLCTALTTFICWGQLPPLPWASPAPQRLVGVL 93

Qy         51 VWHWPFTDQP--PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLP-- 106
              :|  ||  :   |: | |   |: |: | |  :|:    | ||:||||:|       |
Db         94 LWWEPFRGRGGYPKSPPDCSLRFNISGCRLLTDRAAYGEAQAVLFHHRDLVKELHDWPPP 153

Qy        107 ---------------------------------LAQRPRGQPWVWASMESPSHTHGLSHL- 133
                                                :  || || ||| : |||||| ||  |
Db        154 WGARERTDKALVLRVFDDQEGAVTLTGKALETVGSRPPGQRWVWMNFESPSHTPGLRGLA 213

Qy        134 RGIFNWVLSYRRDSDIFVPYG----RLEPHWGPS---PPLPAKSRVAAWVVSNFQERQLR 186
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Db        214 KDLFNWTLSYRTDSDVFVPYGFLYSRSDPTEQPSGLGPQLARKRGLVAWVVSNWNEHQAR 273

Qy        187 ARLYRQLAPHLRVDVFGRAN-GRPLCASCLVPTVAQYRFYLSFENSQHRDYITEKFWRNA 245
               | | ||: |: ||||||   |||: |  |: |||:|:|||:|||||:| |||||| ||||
Db        274 VRYYHQLSRHVSVDVFGRTGPGRPVPAIGLLHTVARYKFYLAFENSRHVDYITEKLWRNA 333

Qy        246 LVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQRFFAWRD 303
              :|| ||||||| || || |||  ||:||||| :|  |||:|  :  | : |:|:| ||
Db        334 FLAGAVPVVLGPDRANYERFVPRGAFIHVDDFPNAASLAAYLLFLDRNVAVYRRYFRWRR 393

Qy        304 RLRVRLFTDWRERFCAICDRYP---HLPRSQVYEDLEGWFQ 341
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Db        394 SFAVHITSFWDEQWCRTCQAVQTSGDQPKS--IHNLADWFQ 432


RESULT 13
US-09-733-524A-11
; Sequence 11, Application US/09733524A
; Patent No. 6534298
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
;  TITLE OF INVENTION:  FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
;  TITLE OF INVENTION:  EXPRESSING THEM (amended)
;  FILE REFERENCE: 07254-049002
;  CURRENT APPLICATION NUMBER: US/09/733,524A
;  CURRENT FILING DATE:  2000-12-07
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
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;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 433
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-09-733-524A-11

  Query Match             39.8%;  Score 743;  DB 2;  Length 433;
  Best Local Similarity   42.1%;  Pred. No. 2.7e-70;
  Matches  169;  Conservative   46;  Mismatches  124;  Indels   62;  Gaps   11;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLL---------W-LLGSAPRGTPAPQPTITIL 50
              |   |:    |  | |:   |: |||: ||         |  |   |  :||||  : :|
Db         34 METPGYRRRTRCGGWGLPRSVSSLAAVGLLCTALTTFICWGQLPPLPWASPAPQRLVGVL 93

Qy         51 VWHWPFTDQP--PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLP-- 106
              :|  ||  :   |: | |   |: |: | |  :|:    | ||:||||:|       |
Db         94 LWWEPFRGRGGYPKSPPDCSLRFNISGCRLLTDRAAYGEAQAVLFHHRDLVKELHDWPPP 153

Qy        107 ---------------------------------LAQRPRGQPWVWASMESPSHTHGLSHL- 133
                                                :  || || ||| : |||||| ||  |
Db        154 WGARERTDKALVLRVFDDQEGAVTLTGKALETVGSRPPGQRWVWMNFESPSHTPGLRGLA 213

Qy        134 RGIFNWVLSYRRDSDIFVPYG----RLEPHWGPS---PPLPAKSRVAAWVVSNFQERQLR 186
              : :||| |||| |||:|||||    | :|   ||   | |  |  : ||||||: | | |
Db        214 KDLFNWTLSYRTDSDVFVPYGFLYSRSDPTEQPSGLGPQLARKRGLVAWVVSNWNEHQAR 273

Qy        187 ARLYRQLAPHLRVDVFGRAN-GRPLCASCLVPTVAQYRFYLSFENSQHRDYITEKFWRNA 245
               | | ||: |: ||||||   |||: |  |: |||:|:|||:||||:| |||||| ||||
Db        274 VRYYHQLSRHVSVDVFGRTGPGRPVPAIGLLHTVARYKFYLAFENSRHVDYITEKLWRNA 333

Qy        246 LVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQRFFAWRD 303
              :|| ||||||| || || |||  ||:|||| :|  |||:|  :  | : |:|:| ||
Db        334 FLAGAVPVVLGPDRANYERFVPRGAFIHVDDFPNAASLAAYLLFLDRNVAVYRRYFRWRR 393

Qy        304 RLRVRLFTDWRERFCAICDRYP---HLPRSQVYEDLEGWFQ 341
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Db        394 SFAVHITSFWDEQWCRTCQAVQTSGDQPKS--IHNLADWFQ 432


RESULT 14
US-10-189-977A-11
; Sequence 11, Application US/10189977A
; Patent No. 6962806
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
;  TITLE OF INVENTION:  FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
;  TITLE OF INVENTION:  EXPRESSING THEM (amended)
;  FILE REFERENCE: 07254-049002
;  CURRENT APPLICATION NUMBER: US/10/189,977A
;  CURRENT FILING DATE:  2002-03-07
;  PRIOR APPLICATION NUMBER: US/09/733,524
;  PRIOR FILING DATE: 2000-12-07
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  NUMBER OF SEQ ID NOS: 27
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;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 433
;   TYPE: PRT
;   ORGANISM: Mus musculus
US-10-189-977A-11

  Query Match             39.8%;  Score 743;  DB 2;  Length 433;
  Best Local Similarity   42.1%;  Pred. No. 2.7e-70;
  Matches  169;  Conservative   46;  Mismatches  124;  Indels   62;  Gaps   11;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLL---------W-LLGSAPRGTPAPQPTITIL 50
              |   |:    |  | |:   |: |||: ||         |  |   |  :||||  : :|
Db         34 METPGYRRRTRCGGWGLPRSVSSLAAVGLLCTALTTFICWGQLPPLPWASPAPQRLVGVL 93

Qy         51 VWHWPFTDQP--PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLP-- 106
              :|  ||  :   |: | |   |: |: | |  :|:    | ||:||||:|       |
Db         94 LWWEPFRGRGGYPKSPPDCSLRFNISGCRLLTDRAAYGEAQAVLFHHRDLVKELHDWPPP 153

Qy        107 ---------------------------------LAQRPRGQPWVWASMESPSHTHGLSHL- 133
                                                :  || || ||| : |||||| ||  |
Db        154 WGARERTDKALVLRVFDDQEGAVTLTGKALETVGSRPPGQRWVWMNFESPSHTPGLRGLA 213

Qy        134 RGIFNWVLSYRRDSDIFVPYG----RLEPHWGPS---PPLPAKSRVAAWVVSNFQERQLR 186
              : :||| |||| |||:|||||    | :|   ||   | |  |  : ||||||: | | |
Db        214 KDLFNWTLSYRTDSDVFVPYGFLYSRSDPTEQPSGLGPQLARKRGLVAWVVSNWNEHQAR 273

Qy        187 ARLYRQLAPHLRVDVFGRAN-GRPLCASCLVPTVAQYRFYLSFENSQHRDYITEKFWRNA 245
               | | ||: |: ||||||   |||: |  |: |||:|:|||:||||:| |||||| ||||
Db        274 VRYYHQLSRHVSVDVFGRTGPGRPVPAIGLLHTVARYKFYLAFENSRHVDYITEKLWRNA 333

Qy        246 LVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQRFFAWRD 303
              :|| ||||||| || || |||  ||:|||||| :|  |||:|  :  | : |:|:| ||
Db        334 FLAGAVPVVLGPDRANYERFVPRGAFIHVDDFPNAASLAAYLLFLDRNVAVYRRYFRWRR 393

Qy        304 RLRVRLFTDWRERFCAICDRYP---HLPRSQVYEDLEGWFQ 341
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Db        394 SFAVHITSFWDEQWCRTCQAVQTSGDQPKS--IHNLADWFQ 432


RESULT 15
US-10-392-098A-11
; Sequence 11, Application US/10392098A
; Patent No. 7029891
; GENERAL INFORMATION:
;  APPLICANT: Taylor, Diane E.
;  APPLICANT:  Ge, Zhongming
;  APPLICANT:  University of Alberta
;  TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
;  FILE REFERENCE: 017398-000420US
;  CURRENT APPLICATION NUMBER: US/10/392,098A
;  CURRENT FILING DATE:  2003-03-17
;  PRIOR APPLICATION NUMBER: US/10/120,319
;  PRIOR FILING DATE: 2002-04-09
;  PRIOR APPLICATION NUMBER: US 60/048,857
;  PRIOR FILING DATE: 1997-06-06
;  PRIOR APPLICATION NUMBER: US 09/092,315
;  PRIOR FILING DATE: 1998-06-05
;  PRIOR APPLICATION NUMBER: US 09/733,524
;  PRIOR FILING DATE: 2000-12-07
;  NUMBER OF SEQ ID NOS: 30
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;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 433
;   TYPE: PRT
;   ORGANISM: Mus musculus
;   FEATURE:
;   OTHER INFORMATION: mouse alpha-1,3-fucosyltransferase fucT IV
;   OTHER INFORMATION: (MFucT4)
US-10-392-098A-11

  Query Match             39.8%;  Score 743;  DB 3;  Length 433;
  Best Local Similarity   42.1%;  Pred. No. 2.7e-70;
  Matches  169;  Conservative   46;  Mismatches  124;  Indels   62;  Gaps   11;

Qy          1 MNNAGHGPTRRLRGLGVLAGVALLAALWLL---------W-LLGSAPRGTPAPQPTITIL 50
              |   |:    |  | |:   |: |||: ||         |  |   |  :||||  : :|
Db         34 METPGYRRRTRCGGWGLPRSVSSLAAVGLLCTALTTFICWGQLPPLPWASPAPQRLVGVL 93

Qy         51 VWHWPFTDQP--PELPSDTCTRYGIARCHLSANRSLLASADAVVFHHRELQTRRSHLP-- 106
              :|  ||  :   |: | |   |: |: | |  :|:    | ||:||||:|       |
Db         94 LWWEPFRGRGGYPKSPPDCSLRFNISGCRLLTDRAAYGEAQAVLFHHRDLVKELHDWPPP 153

Qy        107 ---------------------------------LAQRPRGQPWVWASMESPSHTHGLSHL- 133
                                                :  || || ||| : |||||| ||  |
Db        154 WGARERTDKALVLRVFDDQEGAVTLTGKALETVGSRPPGQRWVWMNFESPSHTPGLRGLA 213

Qy        134 RGIFNWVLSYRRDSDIFVPYG----RLEPHWGPS---PPLPAKSRVAAWVVSNFQERQLR 186
              : :||| |||| |||:|||||    | :|   ||   | |  |  : ||||||: | | |
Db        214 KDLFNWTLSYRTDSDVFVPYGFLYSRSDPTEQPSGLGPQLARKRGLVAWVVSNWNEHQAR 273

Qy        187 ARLYRQLAPHLRVDVFGRAN-GRPLCASCLVPTVAQYRFYLSFENSQHRDYITEKFWRNA 245
               | | ||: |: ||||||   |||: |  |: |||:|:|||:||||:| |||||| ||||
Db        274 VRYYHQLSRHVSVDVFGRTGPGRPVPAIGLLHTVARYKFYLAFENSRHVDYITEKLWRNA 333

Qy        246 LVAGTVPVVLGPPRATYEAFVPADAFVHVDDFGSARELAAFLTGM--NESRYQRFFAWRD 303
              :|| ||||||| || || |||  ||:||||| :|  |||:|  :  | : |:|:| ||
Db        334 FLAGAVPVVLGPDRANYERFVPRGAFIHVDDFPNAASLAAYLLFLDRNVAVYRRYFRWRR 393

Qy        304 RLRVRLFTDWRERFCAICDRYP---HLPRSQVYEDLEGWFQ 341
                 | : : | |::|  |          |:|    :|  |||
Db        394 SFAVHITSFWDEQWCRTCQAVQTSGDQPKS--IHNLADWFQ 432


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Job time : 63.4479 secs
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SCORE 3.0